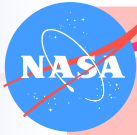
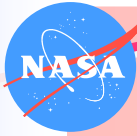


Possible Areas for Standardization



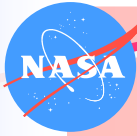
Why have standards?

- Want to be able to access data and information across collections
- Want to be able to understand and use together data obtained from different collections



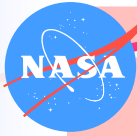
Functions Benefiting from Standards

- **Discovery**
 - Search across collections
 - Query/response protocols
 - “browse” (i.e., wander through) collections
 - Cross references
- **Information retrieval**
 - Metadata interchange formats
 - Interactive or automated retrieval
 - Query/response protocols
 - Automatic notification of updates



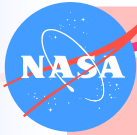
Functions Benefiting from Standards

- Data storage and retrieval
 - Data interchange formats
 - Interactive or automated retrieval
 - Query/response protocols
 - Automatic delivery of updates
- Data publication
 - Ingestion (Manage updates, Bulk load, User-defined collections)
 - Curation (Quality assurance, Metadata creation)
 - Metadata interchange formats



Functions Benefiting from Standards

- Service registration
 - Data manipulation services
 - Service descriptions
 - Management of data flow across services
 - Semantics about service functionality



Potential Standards Areas

